education

Department of Education
FREE STATE PROVINCE

SURNAME:			$\frac{\quad}{40}$
NAME:			
SCHOOL:			%
DATE:			
GRADE 6 _____	**BOY (MARK WITH X)**	**GIRL (MARK WITH X)**	Level:

GRADE 6

MATHEMATICS MOCK TEST

NOVEMBER 2025

TIME: 60 MINUTES

MARKS: 40

This question paper consists of 12 pages

INSTRUCTIONS

1. Read ALL the questions carefully.
2. Answer ALL the questions in the spaces or frames provided.
3. ALL calculations must be shown on the question paper.
4. You are NOT allowed to use a calculator.
5. Shapes are not drawn to scale.
6. You may use any mathematically correct method.
7. Write neatly and legibly.

PRACTICE EXERCISE: Multiple choice question.

Circle the letter of the correct answer.

1. Which number is next in the following pattern?

   81; 27; 9; 3; ____

A. 0
B. 1
C. $\frac{1}{3}$
D. $\frac{2}{3}$

You answered correctly if you circled (B) above.

QUESTION 1

Circle the letter of the correct answer.

1.1 The number 682 442 rounded off to the nearest 5 is: (1)

A 682 440

B 682 400

C 682 000

D 682 445

1.2 What is the place value of the underlined digit in the number below after you have multiplied? (1)

3 **5**49 × 10

A Five thousand

B Thousands

C Hundreds

D Five hundreds

1.3 How many minutes are there between 21:35 and 22:59? (1)

A 31 minutes

B 51 minutes

C 81 minutes

D 84 minutes

1.4 How many lines of symmetry does a rectangle have? (1)

A 1

B 4

C 2

D 8

1.5 What type of transformation happened in the diagram below (1)



A Rotation

B Translation

C Reflection

D Reduction

1.6 Complete the pattern below by writing the next three terms of the sequence. (1)

269; 252; 235; 218; _____; _____; _____

A 303; 326; 349

B 157; 134; 111

C 200; 220; 240

D 201; 184; 167

1.7 The sum of three times a number added to 10 is equal to fifty-five. Find the number. (1)

A 15

B 40

C 90

D 25

1.8 If 946 m is converted to km, what will the answer be? (1)

A 946 km

B 9,46 km

C 94,6 km

D 0,946 km

1.9 Write the missing number to make the following statement true. (1)

$4 + 7 \times 6 = 18 + \square$

A 42

B 9

C 28

D 18

1.10 Eddy had R61, his uncle gives him R92. He give R30 to his cousin Paul and his father gives him R20. How much does Eddy have left? (1)

A R61 + R92 = R153

B R61 + R92 $-$ $R30$ + R20 = R143

C R61 + R92 + R30 + R20 = R205

D R92 $-$ $R61$ $-$ $R30$ = R1

[10]

QUESTION 2

2.1 Calculate using any method. Show all your calculations in the spaces provided below.

2.1.1 584 999 + _____= 987 256 (1)

2.1.2 $4\,378 \times 197$ (3)

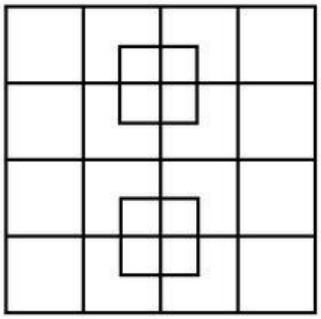
2.1.3 $3\frac{3}{4} + 2\frac{5}{7}$ (2)

2.1.4 $97{,}83 - 5\frac{4}{8}$ (3)

[9]

QUESTION 3

3.1 How many squares of all sizes are in the figure below? (2)



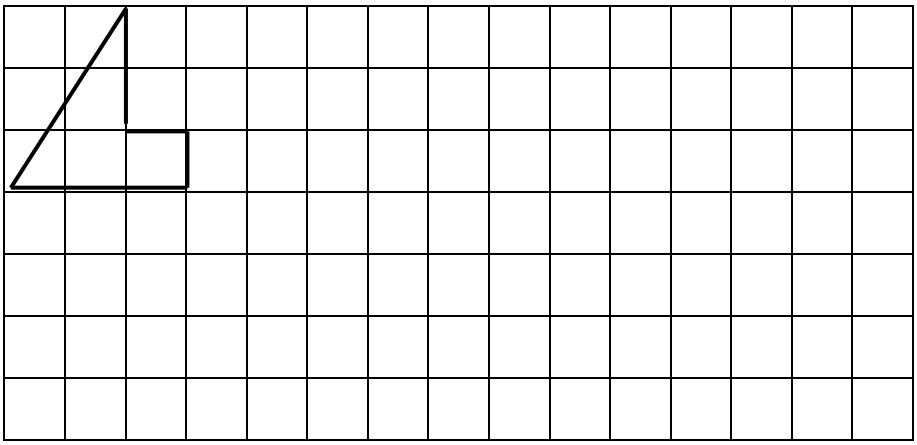
_____

3.2 Draw a rectangle of 3 by 4 as well as a square of 4 by 4 on the grid paper below. Name the differences and the similarities between them. (2)

Similarities	Differences
3.2.1	3.2.2

3.3 (2)

Translate this 2-D shape 5 units to the right and 1 unit down.



[6]

QUESTION 4

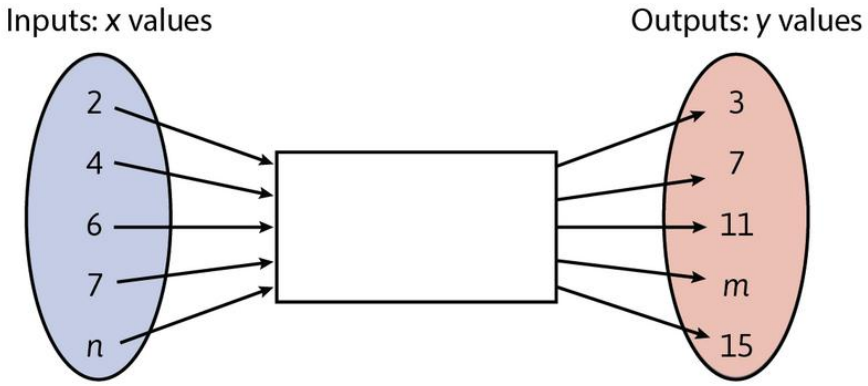
4.1 Draw and name the following 3-D objects.

4.1.1 A 3-D object that has rectangular and square faces (1)

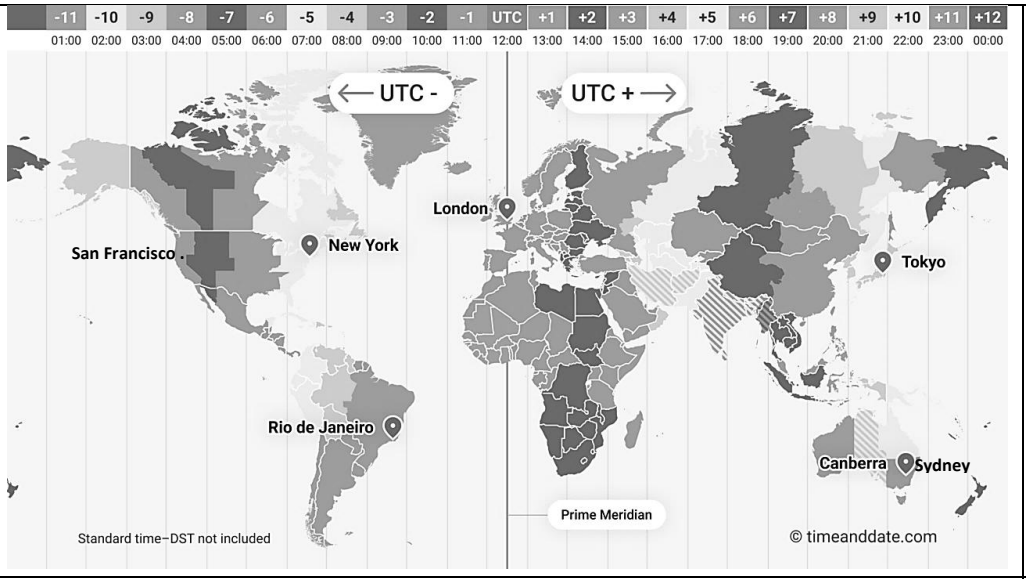
4.1.2 A 3-D object that has only 4 triangular faces (1)

4.2 Calculate and complete the missing information in the flow diagram below. (3)

Find the rule: _____



4.3 Joy scored 90% in a test which is 40 marks. Calculate how many marks she get wrong in the test. (2)

4.4		
	The time zone map shows that when it is 15:00 in Durban, the time is 23:00 in Sydney and 05:00 in San Francisco. What is the time difference between:	
4.4.1	New York and Tokyo?_____	(1)
4.4.2	South Africa and Rio de Janeiro ? _____	(1)
		[9]

QUESTION 5

5.1 The measurements in the table below are sizes of 100 mangoes from two different trees, one from each grove.

Sizes of another 100 mangoes (width in mm)									
87	80	80	88	58	81	73	62	82	63
59	83	58	60	85	59	73	63	75	80
76	86	83	88	64	78	63	77	58	62
86	58	63	66	69	61	83	83	89	59
97	67	85	88	78	72	84	68	83	97
85	80	72	86	76	79	82	79	88	77
60	81	81	65	69	77	64	63	59	89
83	63	62	92	80	61	98	65	98	86
86	69	71	93	63	63	59	88	61	81
76	78	87	81	67	86	79	85	68	59

Complete the following frequency table (2)

Export Market	Width (mm) of mango's	Tallies	Frequency
European Market	bigger than 75		

[2]

QUESTION 6

6.1 Read the scale and answer the question.



Round the mass off to the nearest kg: _____ (1)

6.2	A carpenter saws a long wooden beam into 6 equal pieces in 30 minutes. How long will it take him to saw a similar beam into 7 equal pieces? 	(3)
		[4]
		TOTAL: [40]